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Applicant No.: 10/776,176

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant No.: 10/776,176

Confirmation No.: 3079

Applicant: Michel Couture

Filed: February 12, 2004

Arts Unit: 3653

Examiner: Hageman, Mark

Customer No.: 20988

Commissioner for Patents
P.O. Box 1450
Alexandria Virginia 22313-1450

AMENDMENT

Sir

In response to the Office action of September 19, 2006, we noted that certain terms seem to cause difficulties. Consistently, we present you a new amended demand which is going, essentially, to return to the original demand deposited. You will notice in this amended demand that claims 1 - 26 was reintroduced whereas claims 27 - 61 was abandoned.

Having said that, all the used terms are terms which were in the initial demand and we believe that the descriptions and the explanations are henceforth more clear so much in the summary of invention than in the descriptions and the claims.

However, with the aim of describing more clearly each of the parts of the device such as illustrated in figures 1 - 10 and its parallelepipedic configuration you will notice that we added in the summary of invention, on pages 4 and 5 certain paragraphs.

Consistently, we used the same words as in our original demand such as: force page 7,38, jet, fluid jet page 40,41, pressure, high pressure page 25, fluid, magnitude, magnitude of the pressure page 23, high impact page 18 and all, etc. We used these words and explained the sense in each of the sections of the amended demand.

Also, we explained the inter connection between these words to define more clearly the device and the method, for example, we have defines the word jet such as it is described in the technical literature and the action of the jet.

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Applicant No.: 10/776,176

We have for it, described on pages 9,10,12 and other all aspects connected with the force and with the objects which produce the momentum of the fluid. We used the momentum word of the fluid to illustrate well that is a jet, for example the momentum word is not an addition, but only an explanation of what produces a jet and its effect.

On pages 15,16 and other, we explained more clearly the functioning of the nozzle which has for function to dilute, to separate particles streams whereas on the page 19, we explained the relation between the fluid, the pressure of the fluid and the magnitude, which are dependent on the adaptation, on the opening of the exit of the nozzle which produces the force of the jet, which impact particles streams, direction of the fluid and the direction of the particle stream which arises in this device, to see page 19 and 20.

We added the figure 11 which explains the wall which moves between the chambers of dilution and treatment as well as the effect of this wall which moves. We pay for your attention that this drawing represents the detail of figures 1 and 2 (no 20) illustrating the wall which moves such as described in the original document and what you will find on the page 17, line 2 - 7 of the enclosed document.

We reintroduced the original claims 1-21 and 22-25 amended by correcting the wording to represent faithfully the words used in the original as well as the method and the device such as described in the present letter.

We abandoned the claim 26.

We added the claim 27 and 28 which describe cross section of the particle stream and the direction of the flow of fluid. The claim 29 is in connection with the fluid jet such as mentioned in the original description.

Finally we want to point out that we eliminated in all claims the separation.

Furthermore, towards the figure 1, we subject you a figure identical to that of THE original EPO but illustrating the progress of the particle stream.

Conclusion

We essentially returned to the document deposited. We only modified the wording which existed in our demand without adding any new material or subject.

We brought the best explanation as for the functioning of the device and the method.

We described clearly the impact and the inter relation of the words jet, force, magnitude etc.

We described more clearly the operation of the wall of the treatment chamber which moves and which modifies the surface of the treatment chamber.

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Applicant No.: 10/776,176

We described more clearly the action of the jet according to the pressure of the fluid.

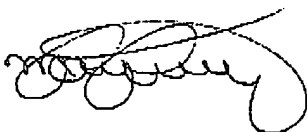
We described more clearly the momentum which produces the jet on the particle stream and we corrected, amended claims according to the description amended.

Consistently, you will indeed want to use the present or the one who will reach you by the post office.

Thank you for your collaboration as well as your understanding.

- **Attachment A:** contains a copy of the amendment with additions being underline (addition) and deletions being strikethrough (~~deletion~~).

RESPECTFULLY SUBMITTED



MICHEL COUTURE, Applicant

February 5th, 2007

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